CS120 The Information Era

Chapter 4 – More HTML Specifics

TOPICS: Frames Problem
Review, Nested Frames
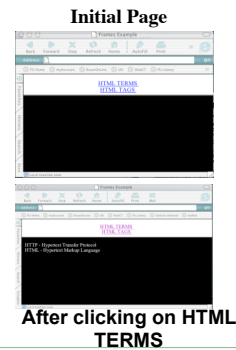

Frames Problem: Review

Create two frames such that the screen is split up into two **rows**. The top row is to contain two centered links HTML Terms and HTML Tags. Clicking on HTML Terms should display the terms in the second row and clicking on HTML Tags will do the same for the tags file. The first row is to have the centered links with a background color of white with black text. The second row is initially black until one of the links is selected and then white text is displayed on the black background.

Initial Page

After clicking on HTML TERMS

Frames Solution: Main Page

```
<html>
  <head>
   <title>
    Frames Example
   </title>
  </head>
 <frameset rows="20%, 80%">
  <frame src="top.html" scrolling="no"
  name="topframe">
  <frame src="bottom.html" name="bottomframe">
 </frameset>
</html>
```

Frames Solution: Top Row

• TOP ROW: (top.html)

```
<html>
  <head>
  </head>
    <body bgcolor="#FFFFFF">
     <center>
      <a href="htmlterms.html" target="bottomframe">
  HTML TERMS </a><BR>
      <a href="htmltags.html" target="bottomframe">
  HTML TAGS </a> <BR>
     </center>
    </body>
</html>
```

Frames Solution: Bottom Row

• BOTTOM ROW: (bottom.html)

```
<html>
 <head>
</head>
 <body bgcolor="#000000">
 </body>
</html>
```

Frames Solution: HTML Terms

```
<html>
  <head>
  </head>
  <body bgcolor="black">
   <font color="#ffffff">
     HTTP - Hypertext Transfer Protocol<br>
     HTML - Hypertext Markup Language
   </font>
  </body>
</html>
```

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Frames Solution: HTML Tags

```
<html>
 <head>
 </head>
   <body bgcolor="#000000">
     <font color="#ffffff">
        &lt;p&gt; paragraph break <br>
        &lt;br &gt; line break
     </font>
   </body>
</html>
```

Complete Frames Solution

Initial Page

After clicking on
HTML TERMS

Nested Frames

• A more common use of frames is as follows:

Page Header: Contains Title, Main Graphic	
Navigation Menu	Content (Text, Images,etc)

Nested Frames, cont.

• With tables we have used either the **rowspan** or **colspan** attributes as in this example:

```
<table>
  <tr> <td colspan=2> Both Columns </td>
  </tr>
  <tr> <td>Just First Column</td>
     <td>Just Second Column</td>
  </tr>
</table>
```

• Frames cannot span rows and columns like table cells, so must use three interlocking frames by nesting one frame layout inside another frame layout

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Nested Frames: HTML

```
<html>
  <head>
  </head>
  <frameset rows="20%, 80%">
    <frame src="header.html" name="header">
    <frameset cols="20%, 80%">
      <frame src="menu.html" name="menu">
      <frame src="content.html"
  name="content">
    </frameset>
  </frameset>
</html>
```

Nested Frames: Problem

• Modify the solution to the previous problem by adding a **page header** that says "CS 120: The Information Era" centered and in bold. Make the top and left frames as small as you can.

• The **navigation menu** should include the hyperlinks HTML terms and HTML Tags that when clicked load the appropriate page in the **content area (**black text on white background**)**

• The basic structure should be as follows:

CS 120: The Information Era	
HTML Terms HTML Tags	Content Goes Here